

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2005P02667WO	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, Item 5 below.
International application No. PCT/EP2005/050804	International filing date (day/month/year) 25/02/2005	(Earliest) Priority Date (day/month/year) 27/02/2004	
Applicant SIEMENS INDUSTRIAL TURBOMACHINERY A.B.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

BLADE OR VANE FOR A TURBOMACHINE

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050804

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F01D5/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 382 907 B1 (BREGMAN VITALY ET AL) 7 May 2002 (2002-05-07)	1,4-6,8, 12-19, 21-23
Y	column 3, line 44 - column 4, line 51 figures 1-8	2,3,7, 9-11,20
X	SU 779 590 A1 (ZHIRITSKIY OLEG G,SU; RUBLEVSKIY IVAN V,SU; BELYAEV VYACHESLAV E,SU) 15 November 1980 (1980-11-15) abstract; figures 1-3	1,2,4,5, 15,21-23
X	RU 2 042 833 C1 (AVIAMOTORNYJ NAUCHNO-TEKHNICHESKIY KOMPLEKS "SOYUZ") 27 August 1995 (1995-08-27) cited in the application abstract	1,5,6, 14-16
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

1 August 2005

Date of mailing of the international search report

09/08/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050804

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 243 759 A (BROWN ET AL) 14 September 1993 (1993-09-14) column 3, line 34 - line 47 column 3, line 62 - column 4, line 2 figures 6,7 -----	2,3,20
Y	US 3 017 159 A (FOSTER TOM ET AL) 16 January 1962 (1962-01-16) column 2, line 17 - column 3, line 55 figures 2-8 -----	7,9-11
A	GB 1 404 757 A (ROLLS ROYCE LTD) 3 September 1975 (1975-09-03) page 1, line 41 - line 89 -----	1-23
A	SU 1 228 559 A1 (NAGOGA G.P; RUKIN M.V; NETESOV K.S) 10 October 1996 (1996-10-10) cited in the application abstract -----	1-23
A	GB 1 410 014 A (ROLLS ROYCE LTD) 15 October 1975 (1975-10-15) page 1, line 88 - page 2, line 5 figure 5 -----	1-23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050804

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6382907	B1	07-05-2002	SE 512384 C2 06-03-2000
		AU 4661399 A 13-12-1999	
		CA 2333011 A1 02-12-1999	
		EP 1082523 A1 14-03-2001	
		JP 2002516944 T 11-06-2002	
		RU 2224116 C2 20-02-2004	
		SE 9801825 A 26-11-1999	
		WO 9961756 A1 02-12-1999	
SU 779590	A1	15-11-1980	NONE
RU 2042833	C1	27-08-1995	NONE
US 5243759	A	14-09-1993	NONE
US 3017159	A	16-01-1962	NONE
GB 1404757	A	03-09-1975	AU 466679 B2 06-11-1975
		AU 4587372 A 07-03-1974	
		DE 2241191 A1 08-03-1973	
		FR 2150475 A1 06-04-1973	
		IT 962211 B 20-12-1973	
		JP 48029917 A 20-04-1973	
		JP 53045447 B 06-12-1978	
		SE 380065 B 27-10-1975	
SU 1228559	A1	10-10-1996	NONE
GB 1410014	A	15-10-1975	AU 4998572 A 13-06-1974
		DE 2260944 A1 20-06-1973	
		FR 2165499 A5 03-08-1973	
		IT 974868 B 10-07-1974	
		JP 48065313 A 08-09-1973	